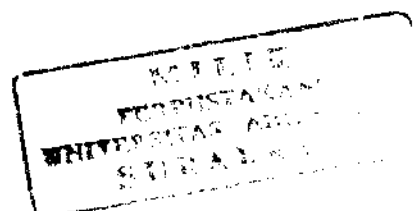


SKRIPSI

INTAN T F SIDABUTAR

ISOLASI SENYAWA RUTIN DARI TUMBUHAN *Phyllanthus niruri* LINN



**FAKULTAS FARMASI
UNIVERSITAS AIRLANGGA
BAGIAN ILMU BAHAN ALAM
SURABAYA
2003**

Lembar Pengesahan

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Phyllanthus niruri LINN

SKRIPSI

**Dibuat untuk memenuhi syarat mencapai gelar Sarjana Farmasi pada
Fakultas Farmasi Universitas Airlangga
2003**

Oleh :

**Intan T F Sidabutar
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**Skripsi ini telah
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ABSTRACT

ISOLATION OF RUTIN FROM *Phyllanthus niruri* LINN

Rutin is one of the substance which occur in *Phyllanthus niruri* L. Which useful as antioxidant and antiinflammacy. Substances have isolated with vacuum liquid chromatography using Chloroform : methanol with many comparison as eluen in extract separation. Research shown that identically substance with rutin is occur in fraction 18 -21 with weight 427 mg. The substances from fraction 18-21 were purified with TLC preparatif and one spot was gained in second TLC preparatif. And purified with Open coloumn Chromatography as alternative method.

Qualitative analysis using TLC scanner acquired 265 nm and 365 nm as the identically λ maximum with rutin standard., and the match factor is 997,329. From the open coloumn chromatography obtain 265 nm and 360 nm as the λ maximum. And the match factor is 997,351.

Keywords: Rutin, Vaccum Liquid Chromatography, TLC preparatif, TLC scanner.